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NUCLEAR REACTIONS AND SCATTERING AT HIGH ENERGY (Experiment)

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Polarization of Gamma Rays from $Si^{30}(p,\gamma)P^{31}$. (E) P. M. Tutakin—19, 7 (1964) [46, 10 (1963)]

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NUCLEAR REACTIONS, DISINTEGRATIONS, SCATTERING (Theory)

Angular Correlations Near the Threshold of Formation of an Unstable Particle. (T) L. M. Lazarev—19, 126 (1964) [46, 176 (1963)]

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Surface Nucleon Stripping Reactions. (T) V. M. Strutinskiĭ—19, 1401 (1964) [46, 2078 (1964)]

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NUCLEAR SPECTRA (α, β, γ) (Experiment)

Half Life of Tb^{151}. (E) E. P. Grigor'ev—19, 770 (1964) [46, 1138 (1963)]

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New Data on the Excited Levels of W^{182}. (T) L. N. Kondrat'ev and E. F. Tret'yakov—19, 1512 (1964) [46, 2241 (1964)]

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NUCLEAR STRUCTURE (Theory)

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QUANTUM-MECHANICAL GENERATORS AND AMPLIFIERS. STRONG LIGHT FIELD

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Investigation of the Time Correlation of Photons Emitted in Ne II Spectral Lines of Separate Neon Atoms Excited by Electron Impact. (E) Yu. F. Skachkov—19, 804 (1964) [46, 1188 (1964)]

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On the Superconductivity of Electrons at the Surface Levels. (T) V. L. Ginzburg and D. A. Kirzhnits—19, 269L (1964) [46, 397L (1963)]

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Ferromagnetism in Superconducting Alloys. (T) L. P. Gor'kov and A. I. Rusinov—19, 922 (1964) [46, 1363 (1964)]

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Superconductivity of an Electron System with Singlet or Triplet Pairs. (T) S. V. Vonsovskiĭ and M. S. Svirskiĭ—19, 1095 (1964) [46, 1619 (1964)]

The Thermal Conductivity of the Intermediate State in Superconductors. (T) A. F. Andreev—19, 1228 (1964) [46, 1823 (1964)]

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Effect of Collective Excitations on the Electrodynamics of Superconductors. (T) A. I. Larkin—19, 1478 (1964) [46, 2188 (1964)]

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Contribution to the Theory of the Critical Point. (T) M. Ya. Azbel', A. V. Voronel', and M. Sh. Giterman—19, 457 (1964) [46, 673 (1963)]

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Specific Heat of Anhydrous Ferrous Chloride at Low Temperatures. (E) M. O. Kostryukova—19, 1084 (1946) [46, 1601 (1964)]

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Dissociation of Diatomic Molecules During Beta Decay. (T) Yu. D. Oksyuk and V. I. Gerasimenko—19, 176 (1964) [46, 254 (1963)]

Neutrino Scattering by a Polarized Electron. (T) S. S. Gershtein and V. N. Filomeshkin—19, 558L (1964) [46, 818L (1963)]

On the Possibility of a Geometric Interpretation of the Weak Interactions of Leptons. (T) B. A. Arbuzov—19, 872 (1964) [46, 1285 (1964)]

Weak Interactions at High Energies. (T) M. P. Rekalo—19, 1272 (1964) [46, 1891 (1964)]

Spin Correlations in Neutrino and Antineutrino Scattering by Electrons. (T) B. K. Kerimov and Yu. I. Romanov—19, 1288, (1964) [46, 1912 (1964)]

The Question of the Possible Existence of a Heavy Charged Lepton. (T) E. M. Lipmanov—19, 1291L (1964) [46, 1917L (1964)]

ERRATA

"Inelastic Transitions in Collisions of Slow Atoms"

[JETP 43, 112 (1962), Soviet Phys. JETP 16, 81 (1963)]

B. M. SMIRNOV

There is an error in the above paper. In calculating the matrix element $(\partial H/\partial t)_{km}$, which occurs in a formula of the adiabatic perturbation theory, the sign of one of the terms has been given incorrectly and this has led to a non-zero result in a lower-than-correct order of the expansion in terms of a small parameter. The corrected work has been forwarded to the journal "Optika i spektroskopiya."

"Skin Effect in a High Frequency Ring Discharge"

[JETP 46, 1169 (1964), Soviet Phys. JETP 19, 791 (1964)]

R. A. DEMIRKHANOV, I. Ya. KADYSH, and Yu. S. KHODYREV

The "Discussion" section contains through an error the formula for the electron-ion collision in lieu of the conductivity of a fully ionized plasma, the form of which is

$$\sigma_a = 0.9 \cdot 10^7 \, T^{3/2} / Z_i^{-2}.$$

The subsequent conclusion that a change in temperature affects the conductivity is therefore incorrect.